CLAIMS

1. An adaptive pneumatic seat cushion (1) and backrest cushion (2) for vehicles and aeroplanes, characterised in that

   - it comprises a seat cushion (1) and a backrest cushion (2) which can be connected;
   - both the seat cushion (1) and the backrest cushion (2) comprise the following characteristics:
   - a plurality of tubular pockets (5), arranged side by side, consisting of a textile material of low elasticity, of which pockets (5) each is connected to the adjacent pockets by means of seams (6);
   - each pocket (5) comprises a pouch (7) which consists of an elastic plastic material with a valve (8), which pocket can be filled with compressed air;
   - the totality of the pockets (5) are enclosed by a shell (4) made of a textile material of low elasticity, wherein said pockets (5) are sewn to the shell (4) along further seams (6), such that the shell (4) when the pouches (7) are filled with compressed air is tensioned and thus forms the actual seat or backrest surface.

2. The pneumatic seat cushion and backrest cushion according to claim 1, characterised in that the pockets (5) in the seat cushion (1) are arranged parallel to the direction of the seat, while in the backrest cushion (2) said pockets (5) are arranged in the top-to-bottom direction.

3. The pneumatic seat cushion and backrest cushion according to claim 1, characterised in that the pockets (5) both in the seat cushion (1) and in the backrest cushion (2) are arranged across the seat.

4. The pneumatic seat cushion and backrest cushion according to claim 2 or 3, characterised in that all the pockets (5) in the seat cushion (1) on the one hand, and in the backrest cushion (2) on the other hand, are of the same size.

5. The pneumatic seat cushion and backrest cushion according to claim 2 or 3, characterised in that the cross dimensions of the pockets (5) are differently selected such that optimum seating comfort can be achieved.

6. The pneumatic seat cushion and backrest cushion according to claim 5, characterised in that each pocket (5) can individually be filled with compressed air.

7. The pneumatic seat cushion and backrest cushion according to claim 2 or 3, characterised in that the cross dimensions of the pockets (5) vary with their longitudinal dimensions.